Installation Guide

Solecis AVB-DA-RGBHV-0106

Overview

The Solecis AVB-DA-RGBHV-0106 1:6 RGBHV Distribution Amplifier (**FG1340-4516-01**) is a 1 in 6 out RGB HV distribution amplifier on BNC connectors. All outputs are 75 ohm driven for connection to long cable runs.

The high performance wide bandwidth circuitry ensures compatibility across all resolutions and the AVB-DA-RGBHV-0106 can be used for RGBHV, RGBS, RGsB, YUV, and composite video.

The AVB-DA-RGBHV-0106 is housed in a 1U metal enclosure and features an internal 100-240V power supply.

(front)

(rear)

FIG. 1 Solecis AVB-DA-RGBHV-0106

Product Specifications

AVB-DA-RGBHV-0106 Specifications	
RGB Input	
Number:	1
Connector:	BNC
Level:	Analog
Max Level:	1V p-p
Impedance:	75 ohm
Sync Input	
Type:	Analog or TTL
Impedance:	75 ohm
RGB Video Bandwidth:	350MHz -3dB
RGB Return Loss:	-40dB@10MHz, -27dB@100MHz
Adjacent Channel X-talk:	-70dB@10MHz, -48dB@100MHz
RGB Output	
Number:	6
Connectors:	BNC
Level:	Analog
Gain:	Unity
Impedance:	75 ohm
Sync Output	
Level:	TTL
Impedance:	75 ohm
Power	
Input Voltage:	100-240V 50/60Hz
Power Consumption:	8W
Dimensions (HWD):	1.73” x 17.36” x 6.69” (4.4cm x 44.1cm x 17.0cm)
Weight:	5.73 lbs. (2.6kg)
Certifications:	• CE • UL60950 • FCC class B, part 15 • RoHS/WEEE compliant

Safety Instructions

Please read these instructions before using your AMX Solecis device. Failure to comply with these instructions could result in fire, electrical shock, personal injury, death, or damage to the equipment.

Power Source

Use only a 3-wire grounding type source. The power source should not exceed 264VAC. Do not remove under any circumstances the ground wire.

Power Cord

Use only the cord shipped with the unit. Do not use the cord if it has become damaged or frayed. Contact your AMX Solecis dealer if you need to replace the power cord.

Grounding

The interface is grounded through the grounding conductor on the power cord. To avoid electric shock plug the power cord into a properly wired receptacle. Do not defeat the purpose of the grounding-type plug.

Fuse

For protection against the risk of fire, use only a fuse of the same rating and type.

Liquid Spills

Do not set drinks on top of the unit or immerse the unit in liquid.

Do Not Disassemble

This device contains no user serviceable parts. All servicing must be performed by a qualified service technician.

For Safety Reasons

- *Do not place the unit on an unstable surface.*
- *Do not use near water or sources of heat.*
- *Use only recommended attachments.*
- *Use the type of power supply as specified.*
  Unplug the power to the unit and refer servicing to qualified personnel under the following conditions:
- *If liquid has been spilled or the unit has been exposed to rain or water.*
- *If it does not operate normally when the operating instructions are followed or if it exhibits a distinct change in performance indicating a need for service.*
- *If the unit has been dropped or the cabinet damaged.*

Connections

Connect the PC input and outputs on the rear panel of the unit.

***Note**: It is imperative that the input source is fully compatible with the display devices.*

The RGB input is 75 ohm terminated and the outputs fully 75 ohm driven for connection to long cable runs.

The unit can now be connected to the mains and the power switched on.

For full warranty information, refer to the AMX Instruction Manual(s) associated with your Product(s).

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3000 RESEARCH DRIVE, RICHARDSON, TX 75082 • 800.222.0193 • fax 469.624.7153 • technical support 800.932.6993 • www.amx.com